



**COMPLETE TUBER PACKAGE
FOR FARMERS
BY
VST SHAKTI**

INTRODUCTION



Agriculture is undergoing a gradual shift from dependence on human & animal power to mechanical power because of increased cost to maintain and feed the animal as well as increasing scarcity of human labour. However the Mechanical power is largely used by big land holding farmers and still beyond the reach of small / marginal holding farmers.

Thus there is an urgent and strong need for taking farm mechanization to the small and marginal land holding farmers who hold 80% of total India land holding. They are unable to own high end machine due their economic condition. To bring increase and support mechanisation to this segment there is a need of affordable machinery which can work though out the year with low initial investment and less operational / maintenance cost. This kind of innovative farm machinery package can bring mechanization and also make agriculture more sustainable & profitable. The expanded usage of internet and TV has also influenced the farmers to adapt mechanization.



MISSION & OBJECTIVES



- Increasing the reach of farm mechanization at affordable cost to small and marginal farmers and to the regions where availability of farm power is low.
- Offsetting adverse 'economies of scale' and 'higher cost of ownership' of high value farm equipment by promoting Innovative complete crop solution at affordable initial investment
- Passing on the benefit of hi-tech, high value and hi-productive agricultural machinery to farmers through creating hubs for such farm equipment.
- Promoting farm mechanization by creating awareness among stakeholders through demonstration and capacity building activities.
- Making agriculture as a profitable business.



VST Company has introduced a innovative & affordable complete tuber package for farmers. The package will cover the complete process, the agricultural implements required, the key benefits of using VST Shakti tractors for cultivation and economics of tuber farming from custom hiring through rural young entrepreneurs.



WHY VST SHAKTI TRACTORS ARE MOST SUITABLE FOR POTATO CULTIVATION



- A Compact Model-It is India's First Small and 4 Wheel Drive Tractor.
- Light in Weight, 3 cylinder engine and Less Vibration.
- Turning Radius : With Brake 2.1 m ; Without Brake 2.5 m
- Can plant potato crop at 46 / 56 / 61 cms. Best in Industry.
- Unique Japanese design at affordable cost, Wide network for Service & Spare parts, Good Resale Value, Less Soil compaction.
- Well known Brand name with decades of good will among the Farmer Community.
- Our Tractors are reliable and built to last. Good track record.



FIELD PREPARATION

- Rigid / Spring Loaded cultivator is used for tilling soil.
- High strength and rigid.
- Depth of cultivation can be adjusted with top link of 3 point linkage
- 5 tynes are provided in both rigid & spring type cultivators
- 3 ~ 4 acres can be cultivated in a day with average diesel consumption of 2 ~ 2.5 lts / hr of operation



FIELD PREPARATION

REVERSIBLE PLOUGH

- This is well designed for reverse plough alternately.
- Basic functions are inverting, breaking and raising of soil.
- Tills the soil which has deep roots, unwanted plants, shrubs and weeds.
- Ease of rotating manually using a lever and wire rope.
- Shears are made of tough alloy steel, can be moved forward as and when wear takes place due to usage in field
- Long life is assured as 4 ploughs will be used alternately
- 5 ~ 6 acres of land can be ploughed in a day
- Diesel consumption is 1.5 ~ 1.75 lts / hr



FIELD PREPARATION

ROTAVATOR

- Simple in construction but with strong design, appropriate for medium soil conditions
- The application includes : Soil conditioning, weed control, seedbed preparation.
- 28 tynes can be fitted – J type for wet and L / straight for dry land.
- 2.5 ~ 3 acres of land can be covered in a day with average diesel consumption of 2.25 ~ 2.5 lts / hr
- Depth of Tilling is 100 ~ 125 mm.
- 2 models are available with 900 & 1100 mm width



FIELD PREPARATION

DISC HARROW

- This is used to cultivate soil where crops are to be planted.
- Also useful to cut unwanted weeds or crop remainders.
- It consists of steel discs which rotate when the implement is driven by the tractor.
- The steel discs are bent at particular angle (concave) to loosen and lift the soil when they are cut.
- 0.5 ~ 0.65 acres of field can be prepared in 1 hour with average diesel consumption of 2 ~ 2.5 lts /hr



POTATO PLANTER

- Planter is used for sowing seed of potatoes.
- This also does the process of sowing, ridge forming and planting.
- Seeds are filled in a hopper and fed through pipes.
- A person sitting behind the planter will feed the seeds into the revolving disc
- The gap between the seeds can be adjusted by adjusting the pitch on the rotating wheel.
- The distance between rows and height of the mud cover can be altered with the help of adjustable screw rod provided for the ploughs. Suitable for planting potatoes with a row distance of 56 cms, 61 cms & 66 cms
- Planting – 0.25 - 0.35 acre in 1 hour
- Diesel consumption ~ 2.25 lts / hr



POTATO DIGGER

- Very optimally designed for digging potatoes.
- This digs the potatoes by a digging web / shear plate and then lift them up to the sieves – rods fixed at intervals on a belt conveyor
- The sieve separates the potato from the soil and allows soil to fall below to the ground.
- Drive to the implement is through the PTO shaft of the tractor.
- Potatoes along with stones, clod, haulm and rejected clod fall on the ground, backside of the implement which are picked manually and separated.
- Potato digger capacity is 0.4 acre per hour.
- Diesel consumption – 2.5 ~ 2.75 lts / hr



HAULAGE

Trailer of 3 tons capacity can be fitted for transportation.

Primarily required for transporting manure, chemicals, implements & potato crop to local market.

Types of Trailers:

- Standard – 2.43 x 1.37 x 0.61 meter (L x W x H)
- Mechanical Tipping.
- Average consumption of diesel is 2.5 lts / hr



TRACTOR MANUFACTURING PLANT AT HOSUR



V.S.T. TILLERS TRACTORS LTD.
(CIN-L34101KA1967PLC001706)

Hosur Plant : Plot No.39, Phase-1, Sipcot Industrial Complex, Mookandapalli, HOSUR – 635 126, Tamil Nadu.

Phone : 91-04344-275578 Email : vstgen.hosur@vsttillers.com

Regd. Office : Plot No. 1, Dyavasandra Indl. Layout, Whitefield Road, Mahadevapura Post, Bangalore – 560 048.

Ph: 91-80-67141418 /23, 67141111, Fax : 91-80-28510221

E-mail : sales@vsttillers.com www.vsttillers.com

Do follow us on:

